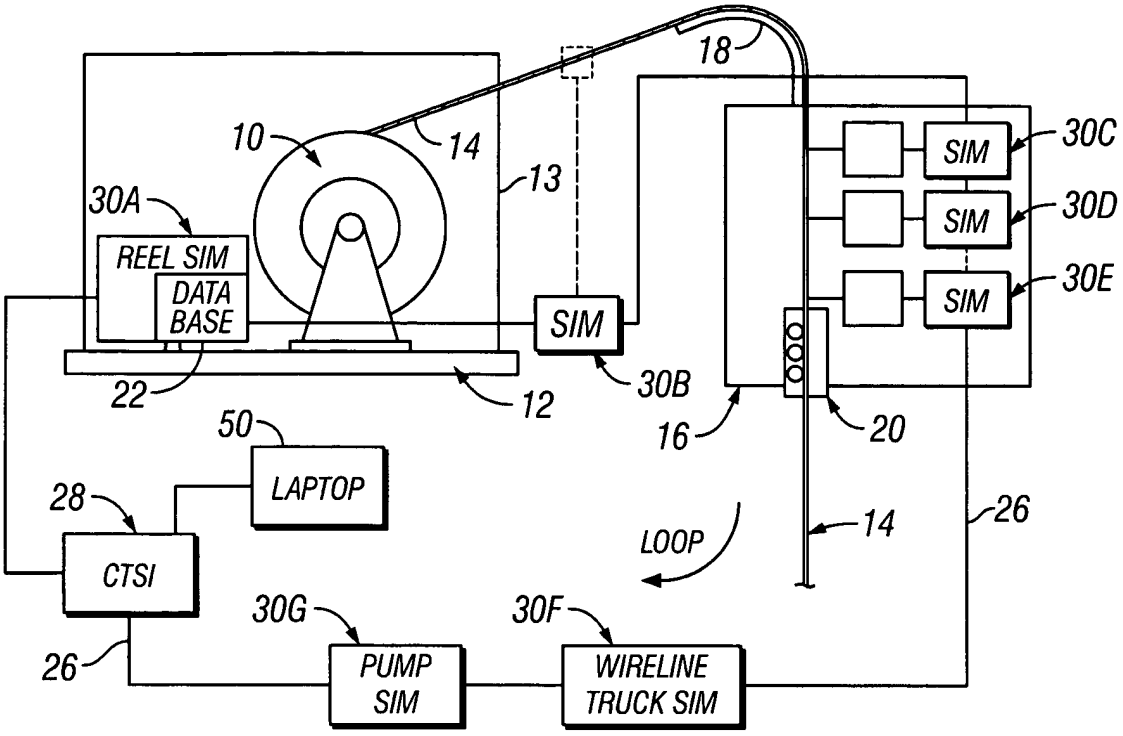
18
10
14
13
30A
REEL SIM
DATA BASE
22
12
SIM
30B
16
20
SIM
30C
SIM
30D
SIM
30E
50
LAPTOP
28
CTSI
LOOP
14
26
30G
PUMP SIM
30F
WIRELINE TRUCK SIM
26

FIG. 1

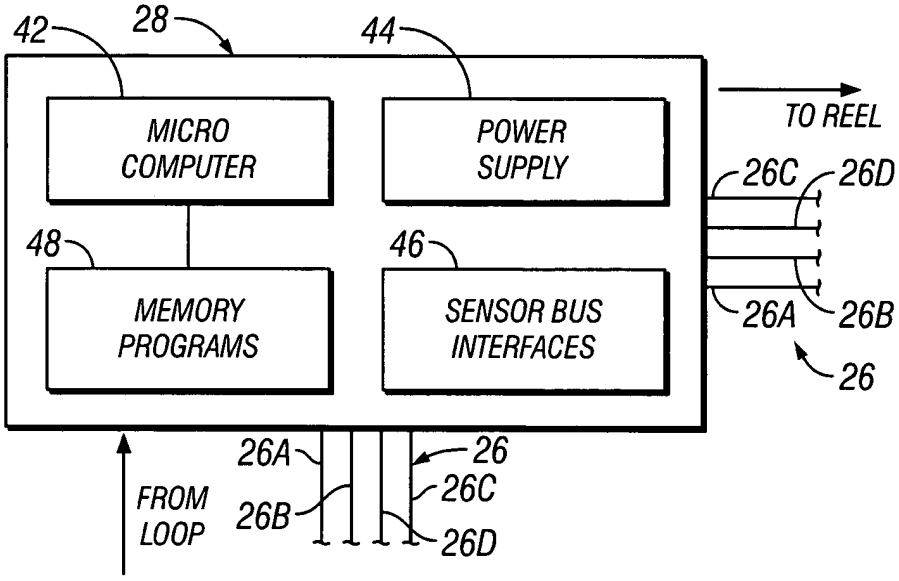
42
28
44
MICRO COMPUTER
POWER SUPPLY
TO REEL
26C
26D
48
46
MEMORY PROGRAMS
SENSOR BUS INTERFACES
26A
26B
26
FROM LOOP
26A
26
26B
26C
26D

FIG. 2

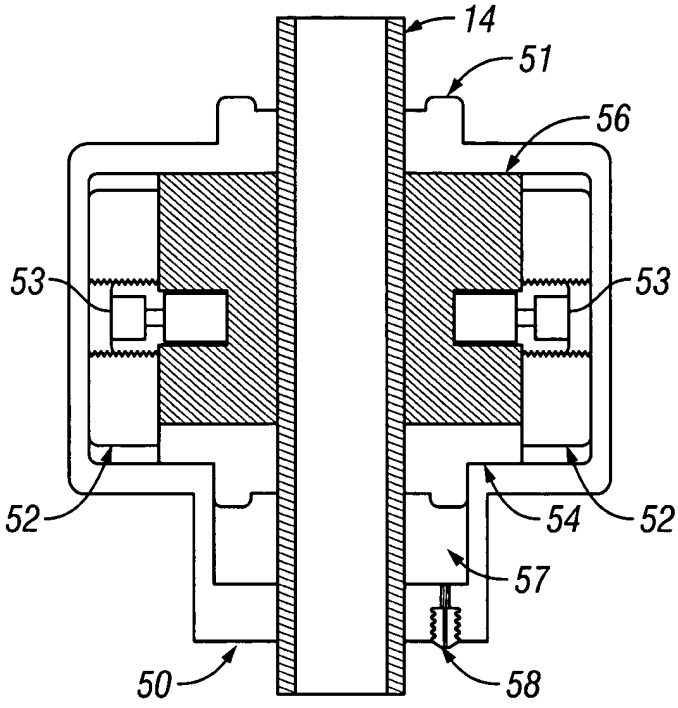
14
51
56
53
53
52
54
52
57
50
58

FIG. 3

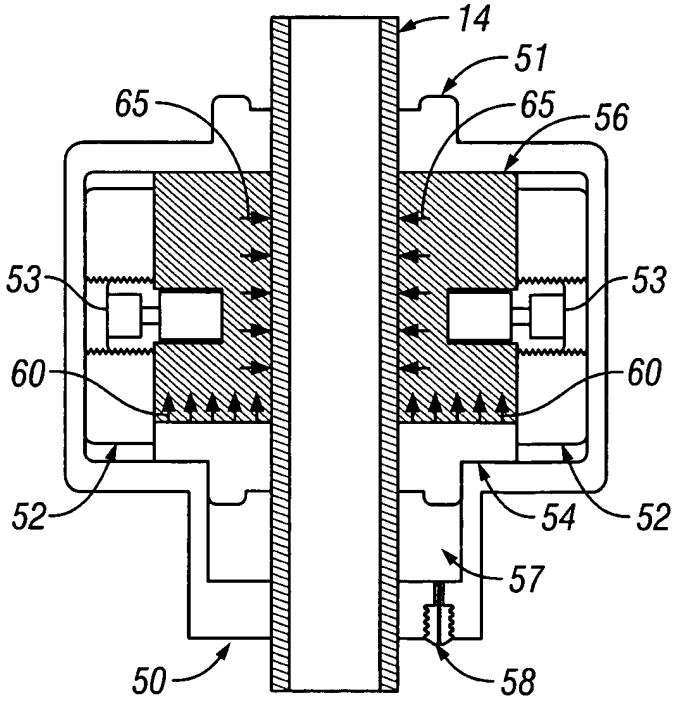
14
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FIG. 4